

# 7<sup>th</sup> Annual

## Fall Floodplain Institute

NORTH CAROLINA ASSOCIATION OF FLOODPLAIN MANAGERS

The DoubleTree by Hilton • Asheville, NC  
October 24-26, 2012

<b>Wednesday, October 24 (pre-conference activities)</b>	
8:00am – 1:00pm	<b>Golf Outing</b> (Glen Cannon Country Club) <i>Coordinator: Brad Burton, CFM (NCAFPM)</i>
1:00 – 2:00pm	<b>Registration</b> (Lobby in Front of Burghley Ballrooms)
2:00 – 3:30pm	<b>PLENARY SESSION</b> (Burghley Ballrooms A & B) <i>Moderator: Cynthia Fox Barcklow, AICP, CFM (NCAFPM Vice-Chair)</i> <i>Master of Ceremonies: John Fullerton, CFM (NCAFPM Chair)</i>  <b>Welcome to Asheville</b> [10 min.] <i>Honorable Terry Bellamy (Mayor, City of Asheville)</i>  <b>Welcome to the 7<sup>th</sup> Annual Fall Floodplain Institute</b> [10 min.] <i>John Fullerton, CFM (NCAFPM Chair)</i>  <b>ASFPM Update</b> [15 min.] <i>Bill Tingle, PG, CFM (NCAFPM Executive Director)</i>  <b>NCFMP Update</b> [30 min.] <i>John Dorman, CFM (NCFMP Director)</i>  <b>State Boundary History</b> [25 min.] <i>Gary Thompson, PLS (NCGS Chief)</i>
3:30 – 3:45pm	<b>BREAK</b> (Lobby in Front of Burghley Ballrooms)
3:45 – 5:15pm	<b>PLENARY SESSION, cont.</b> (Burghley Ballrooms A & B) <i>Moderator: Brad Burton, CFM</i>  <b>(Con't.) State Boundary History</b> [25 min.] <i>Gary Thompson, PLS (NCGS Chief)</i>  <b>From Precipitation Regimes to Precipitation Extremes to Floods - Understanding &amp; Assessing Risk in Changing Landscapes</b> [30 min.] <i>Ana Barros, PhD (Duke University Professor of Civil and Environmental Engineering)</i>  <b>Statewide USGS StreamStats Application</b> [25 min.] <i>Curtis Weaver, PE (Hydrologist, USGS – Raleigh)</i>  <b>Questions and Answers</b> [10 min.]
5:15 – 5:45pm	<b>Registration</b> (Lobby in Front of Burghley Ballrooms)
5:30 – 7:00pm	<b>Social/Mixer</b> (Burghley B Terrace)

## Thursday, October 25

7:30 – 9:00am 10:00 – 10:30am 5:00 – 5:30pm	<b>Registration</b> (Lobby in Front of Burghley Ballrooms)
7:30 – 8:30am	<b>Meet &amp; Greet Coffee</b> (Lobby in Front of Burghley Ballrooms)

## Thursday, October 25 (cont.)

<p><b>8:30 – 10:00am</b></p>	<p><b>PLENARY SESSION, cont.</b> (Burghley Ballrooms A &amp; B)  <i>Moderator: John Fullerton, CFM</i></p> <p><b>Provisions of Approved NFIP Reform Bill</b> [25 min.]  <i>Tim Russo, CFM (FEMA Region IV Natural Hazard Program Specialist)</i></p> <p><b>Asheville's French Broad River: Water Quality, Public Access and Economic Revitalization of Urban Riverfront</b> [25 min.]  <i>Karen Cragnolin (Executive Director, RiverLink)</i></p> <p><b>The Biltmore Estate Master Land Use Planning</b> [25 min.]  <i>Vince Helton (Biltmore Estate)</i></p> <p><b>Questions and Answers</b> [15 min.]</p>		
<p><b>10:00 – 10:30am</b></p>	<p><b>BREAK</b> (Lobby in Front of Burghley Ballrooms)</p>		
<p><b>10:30am – 12:00pm</b></p> <p><b>Note:</b> Duration of individual presentations is in brackets [].</p>	<p><b>General Track</b> (Burghley Ballroom A)  <i>Moderator: Joe Bruno, PLS, CFM (ESP)</i></p> <p><b>Dam Safety and Flood Mapping</b> [25 min.]  <i>Tami Idol, EI (NCDNR Land Quality)</i></p> <p><b>Using Online Data Sharing to Enhance Project Scoping and Field Survey Tracking</b> [30 min.]  <i>James Gray, Jr., PLS &amp; David Key, PE, CFM (ESP)</i></p> <p><b>Remote Control Hydro Boat Applications</b> [25 min.]  <i>Daniel Hill, PLS, CFS (ESP)</i></p> <p><b>Questions and Answers</b> [10 min.]</p>	<p><b>Technical/Training Track</b> (Burghley Ballroom B)  <i>Moderator: Drew Blackwell, CFM, ANFI</i></p> <p><b>Community Rating System (CRS) and the Newly Updated CRS Manual</b> [90 min.]  <i>Mike Bratcher, CFM (ISO/CRS Specialist)</i></p>	
<p><b>12:00 – 1:10pm</b></p>	<p><b>Lunch &amp; NCAFP Meeting</b> (Burghley Ballrooms)</p>		
<p><b>1:30 – 3:00pm</b></p>	<p><b>General Track</b> (Burghley Ballroom A)  <i>Moderator: Cynthia Fox Barcklow, AICP, CFM</i></p> <p><b>NCDOT and the International Building Code: ASCE 24</b> [30 min.]  <i>Richard Strickland &amp; Robert Steed, PE (NCDOT)</i></p> <p><b>Specifying Foundation Flood Vents for Building Sustainability, Durability and Performance</b> [40 min.]  <i>J. Paul Abrams (SmartVent Products)</i></p> <p><b>Open Discussion on Building Codes</b> [20]</p>	<p><b>Training Track</b> (Burghley Ballroom B)  <b>NFIP 101 – CFM Review Session</b>  [3 hr.]  <i>Randy Mundt, AICP, CFM; Terry Foxx, CFM; John Gerber, PE, CFM</i></p>	<p><b>Technical Track</b> (Stuyvesant Room)</p> <p><b>Using the FEMA Benefit Cost Analysis Version 4.8 to Evaluate Potential Flood Mitigation Projects</b> . [3 hr.]  <i>Chris Crew, CFM, NCEM</i></p> <p>Hands-on training using supplied laptops.</p>
<p><b>3:00 – 3:30pm</b></p>	<p><b>BREAK</b> (Lobby in Front of Burghley Ballrooms)</p>		
<p><b>3:30 – 5:00pm</b></p>	<p><b>Technical/Training Track</b> (Burghley Ballroom A)  <i>Moderator: Bill Tingle, CFM</i></p> <p><b>Utilizing GIS Technology to Manage Data for Flood Control Projects</b> [25 min.]  <i>Danee McGee, PE, CFM (Charlotte-Mecklenburg Storm Water Services)</i></p> <p><b>Influence of Digital Terrain Models from LiDAR and USGS Elevation Data for the Swannanoa River</b> [30 min.]  <i>Monica Davis, M.A. (Graduate Student, Appalachian State University)</i></p> <p><b>The Influence of Structures on Riverine Modeling</b> [25 min.]  <i>David Key, PE, CFM (ESP)</i></p> <p><b>Questions and Answers</b> [10 min.]</p>	<p><b>Training Track</b> (Burghley Ballroom B)  <b>NFIP 101 – CFM Review Session, cont.</b>  [3 hr.]  <i>Randy Mundt, CFM; Terry Foxx, CFM; John Gerber, PE, CFM</i></p>	<p><b>Technical Track</b> (Stuyvesant Room)</p> <p><b>Mitigation Project Benefit-Cost Analysis, cont.</b> [3 hr.]  <i>Chris Crew, CFM, NCEM</i></p>
<p><b>6:00 – 8:00pm</b></p>	<p><b>Conference Social – Hors d'Oeuvres, Refreshments, and Live Music by the Hogtown Squealers</b> (Burghley B Terrace)</p>		

## Friday, October 26

<b>7:30 – 9:00am</b> <b>10:00 – 10:30am</b>	<b>Registration</b> (Lobby in Front of Burghley Ballrooms)		
<b>7:30 – 8:30am</b>	<b>Networking Coffee &amp; Pastries</b> (Lobby in Front of Burghley Ballrooms)		
<b>8:30 – 10:00am</b>	<p><b>Technical Track</b> (Burghley Ballrm A) <i>Moderator: Brad Burton, CFM</i></p> <p><b>Cox Mill Elementary Campus Storm Water Renovations</b> [25] <i>Kevin P. Higgins, PE, CFM</i> <i>(Michael Baker Engineering)</i></p> <p><b>Map Maintenance Mayhem: Fitting All the Pieces Together Statewide</b> [30 min.] <i>David Key, PE, CFM (ESP)</i></p> <p><b>2-D or not 2-D ... That is the Question</b> [25] <i>Tyler Longberry, PE, CFM &amp; Joe Thomas (AECOM)</i></p> <p><b>Questions and Answers</b> [10 min.]</p>	<p><b>Insurance Agents Training</b> (Burghley Ballroom B)</p> <p>Insurance agents training registration is from 8:30–9:00. Workshop starts at 9:00.</p>	<b>CFM Exam</b> (Stuyvesant Room)
<b>10:00 – 10:30am</b>	<b>BREAK</b> (Lobby in Front of Burghley Ballrooms)		
<b>10:30am – 12:00pm</b>	<p><b>General Track</b> (Burghley Ballroom A) <i>Moderator: Shweta Chervu, PE, CFM</i></p> <p><b>LOMCs, No-Rise, and Technical Considerations</b> [90 min.] <i>Dan Brubaker, PE, CFM (NCFMP)</i></p>	<b>Insurance Agents Training, cont.</b> (Burghley Ballroom B)	

## Presenters

J. Paul Abrams (Smart Vent)  
 Ana Barros, PhD (Duke University)  
 Mike Bratcher CFM (ISO)  
 Dan Brubaker, PE, CFM (NCFMP)  
 Karen Cragolin (RiverLink)  
 Chris Crew, CFM (NCEM)  
 Monica Davis, M.A. (Appalachian State Univ.)  
 John Dorman, CFM (NCFMP)  
 Terry Foxx, CFM  
 John Gerber, PE, CFM  
 James Gray, Jr., PLS (ESP)  
 Vince Helton (Biltmore Estate)  
 Kevin P. Higgins, PE, CFM (Baker Engineering)

Daniel Hill, PLS, CFS (ESP)  
 Tami Idol, EI (NCDENR Land Quality)  
 David Key, PE, CFM (ESP)  
 Tyler Longberry, PE, CFM (AECOM)  
 Daneé McGee, PE, CFM (Charlotte-Mecklenburg Storm Water Services)  
 Randy Mundt, AICP, CFM  
 Tim Russo, CFM (FEMA Region IV)  
 Robert Speed, PE (NCDOI)  
 Richard Strickland (NCDOI)  
 Gary Thompson, PLS (NCGS)  
 Joe Thomas (AECOM)  
 Curtis Weaver, PE (USGS – Raleigh)